



Weekly Client Feedback Report – Week 1



Date: Week 1 – 5–9 January 2026

Overview of submissions or discussions

During this week, we contacted the client to clarify **two key aspects** of the *Traffic Analysis* project. The discussion focused on:

- The preferred temporal granularity of the Telraam traffic data (**hourly** versus daily)
- How to handle the **parking status** feature, given the absence of real observed data for situations such as closed or paid parking

We also explained the *technical limitations* of using **parking status** as a learned feature in the model and proposed alternative approaches.

Client feedback



The client expressed a **clear preference** for using **hourly granularity**, as this enables more detailed analysis of traffic patterns, such as *rush-hour behavior*. If hourly data proves infeasible, daily granularity is considered an acceptable alternative.

Regarding the **parking status** feature, the client prefers applying simple **scenario-based assumptions** on top of the model predictions (for example, *assuming fewer*

*(cars and slightly more bikes when parking is closed), rather than including **parking status** as a learned input feature.*

Interpretation

This feedback confirms that the current project direction **aligns well with the client's expectations**. Using hourly data supports more *detailed and meaningful* traffic pattern analysis, increasing the **practical relevance** of the predictions.

The approval of **scenario-based assumptions** also implies that **parking status** does **not** need to be included as a learned feature in the model, which avoids introducing *unsupported or potentially misleading data* during training.

Actions and adjustments



Based on the client feedback, the following steps will be taken:

- Use **hourly** Telraam data as the primary dataset for analysis and modelling
 - Proceed with training an initial **Random Forest** model without **parking status** as an input feature
 - Implement manual scenario rules related to **parking status** (e.g., *reduced car counts and increased bike counts*) as post-prediction adjustments
 - Clearly document and justify all scenario assumptions in the project report and presentation to ensure *transparency and academic validity*
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